Listing of Claims

1. (Currently Amended) A medical apparatus comprising ~~Medical equipment, the~~ at least one surface ~~of~~ which ~~being~~ is at least partially ~~provided with a coating which is provided~~ coated with ~~by means of~~ a sol-gel ~~process~~ material.

2. (Currently Amended) The medical apparatus ~~Medical equipment~~ according to claim 1, ~~characterized in that~~ wherein the sol-gel ~~process~~ material ~~at least comprises~~ is formed from ~~the step of mixing together~~ an organosilane compound and water.

3. (Currently Amended) The medical apparatus ~~Medical equipment~~ according to claim 1, ~~characterized in that~~ wherein the sol-gel ~~process~~ material ~~at least~~ ~~comprises~~ is formed from ~~the step of mixing together~~ an organosilane compound and silica particles.

4. (Currently Amended) The medical apparatus ~~Medical equipment~~ according to claim 2 ~~or 3~~, ~~characterized in that~~ wherein the organosilane compound comprises tetraethoxysilane (TEOS).

5. (Currently Amended) The medical apparatus ~~Medical equipment~~ according to claim 1, ~~characterized in that~~ wherein the coating can be cured at a curing temperature of about 80°C or lower.

6. (Currently Amended) The medical apparatus ~~Medical equipment~~ according to claim 1, ~~characterized in that~~ wherein ~~during~~ the sol-gel ~~process for making the coating~~ is formed from an acid ~~is added, which acid is~~ chosen from the group comprising malonic acid, dimethylmalonoc acid and itaconic acid.

7. (Currently Amended) The medical ~~equipment~~ apparatus of ~~any one of~~ claims 1~~-5~~ wherein ~~the equipment~~ said surface is a tabletop of a diagnostic system.

8. (New) A medical apparatus comprising at least one surface which includes an iodine-resistant coating comprised from a material with the formula $SiX_pY_qZ_r$.

9. (New) The medical apparatus of claim 8 wherein X is a hydrolytically condensable substituent, Y is a polymerizable substituent R-A, and Z is a hydrolytically non-condensable and non-polymerizable substituent.

10. (New) The medical apparatus of claim 9 wherein p is equal to 2, 3, or 4, q is equal to 0, 1, or 2, and r is equal to 0 or 1.

11. (New) The medical apparatus of claim 10 wherein p+q is greater than 2 and p+q+r is equal to 4.

12. (New) The medical apparatus of claim 8, wherein said at least one surface is a tabletop of a diagnostic system.

13. A process for making medical equipment resistant to iodine comprising coating one or more surfaces with a sol-gel material.

14. The process of claim 13 wherein said sol-gel material is comprised of material with the formula